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17296 U.S. PTO

PTO/SB/05 (08-03))

Approved for use through 07/31/2006. OMB 0651-0032

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>		Attorney Docket No. 1789-12001	
		First Inventor Andrew R. Barron	
		Title High Strength Polycrystalline Ceramic Spheres	
(Only for new nonprovisional applications under 37 CFR 1.53(b))		Express Mail Label No. EV 303424801 US	

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Mail Stop Patent Application Commissioner for Patents P. O. Box 1450 Arlington VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i>  2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.  3. <input checked="" type="checkbox"/> Specification [Total Pages 21] <i>(preferred arrangement set forth below)</i> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings <i>(if filed)</i> - Detailed Description - Claim(s) - Abstract of the Disclosure  4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 14]  5. Oath and Declaration [Total Pages ] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies
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<b>ACCOMPANYING APPLICATION PARTS</b>
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-Part (CIP)    of prior application No.:  
 Prior application information:    Examiner    Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number of Bar Code Label 23505    or <input type="checkbox"/> Correspondence address below	
Name	
Address	
City	State
Country	Zip Code
Telephone	Fax
Name (Print/Type)	Registration No. (Attorney/Agent)
Signature	Date

The collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL

## For FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$ 428.00

## Complete if Known

Application Number	*
Filing Date	*
First Named Inventor	Andrew R. Barron
Examiner Name	*
Art Unit	*
Attorney Docket No.	1789-12001

## METHOD OF PAYMENT (Check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:  
 Deposit Account Number: 03-2769  
 Deposit Account Name: Conley Rose, P.C.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account  
☒ Credit any overpayments

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee	Large Entity Code (\$)	Small Entity Fee	Small Entity Code (\$)	Fee Description	Fee Paid
1001 770	2001 385			Utility filing fee	\$385.00
1002 340	2002 170			Design filing fee	\$
1003 530	2003 265			Plant filing fee	\$
1004 770	2004 385			Reissue filing fee	\$
1005 160	2005 80			Provisional filing fee	\$

SUBTOTAL (1) \$385.00

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
20	20** = 0 x	9.00	= \$00.00
Independent Claims	4 3** = 1 x	43.00	= \$43.00
Multiple Dependent		290.00	= \$00.00

Large Entity Fee	Large Entity Code (\$)	Small Entity Fee	Small Entity Code (\$)	Fee Description
1202 18	2202 9			Claims in excess of 20
1201 86	2201 43			Independent Claims in excess of 3
1203 290	2203 145			Multiple dependent claim, if not paid
1204 86	2204 43			** Reissue independent claims over original patent
1205 18	2205 9			** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$43.00

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee	Large Entity Code (\$)	Small Entity Fee	Small Entity Code (\$)	Fee Description	Fee Paid
1051 130	2051 65			Surcharge - late filing fee or oath	\$
1052 50	2052 25			Surcharge - late provisional filing fee or cover sheet	\$
1053 130	2053 130			Non-English specification	\$
1812 2,520	1812 2,520			For filing a request for <i>ex parte</i> reexamination	\$
18042 920*	1804 920*			Requesting publication of SIR prior to Examiner action	\$
1805 1,840*	1805 1,840*			Requesting publication of SIR after Examiner action	\$
1251 110	2251 55			Extension for reply within first month	\$
1252 420	2252 210			Extension for reply within second month	\$
1253 950	2253 475			Extension for reply within third month	\$
1254 1,480	2254 740			Extension for reply within fourth month	\$
1255 2,010	2255 1,005			Extension for reply within fifth month	\$
1401 330	2401 165			Notice of Appeal	\$
1402 330	2402 165			Filing a brief in support of an appeal	\$
1403 280	2403 140			Request for oral hearing	\$
1451 1,510	1452 1,510			Petition to institute a public use proceeding	\$
1452 110	2452 55			Petition to revive - unavoidable	\$
1453 1,330	2453 665			Petition to revive - unintentional	\$
1501 1,330	2501 665			Utility issue fee (or reissue)	\$
1502 480	2502 240			Design issue fee	\$
1503 640	2503 320			Plant issue fee	\$
1460 130	1460 130			Petitions to the Commissioner	\$
1807 50	1806 50			Processing fee under 37 CFR 1.17(g)	\$
123 50	123 50			Petitions related to provisional applications	\$
1806 180	1806 180			Submission of Information Disclosure Stmt	\$
8021 40	8021 40			Recording each patent assignment per property (times number of properties)	\$
1809 770	2809 385			Filing a submission after final rejection (37 CFR § 1.129(a))	\$
1810 770	2810 385			For each additional invention to be examined (37 CFR § 1.129(b))	\$
1801 770	2801 385			Request for Continued Examination (RCE)	\$
1802 900	1802 900			Request for expedited examination of a design application	\$

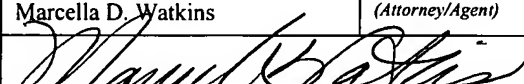
Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Marcella D. Watkins	Registration No. (Attorney/Agent)	36,962	Telephone	(713) 238-8000
Signature				Date	February 6, 2004

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